ABSTRACT

The invention concerns a biological material for preparing a pharmaceutical composition for treating a mammal by gene transfer, comprising, either at least a nucleic acid sequence containing a therapeutic gene and in a form enabling *in vivo* transfer of ~~said~~ the gene into the cells of the mammal, or at least one cell of the mammal not naturally producing antibodies, genetically modified *in vitro* by at least a previous nucleic acid sequence, and in a form enabling its incorporation into the organism of the mammal as well as optionally its previous culture. The invention is characterized by the fact that ~~said~~ the nucleic acid sequence contains an antibody gene and elements for expressing *in vivo* ~~said~~ the antibody gene and the secretion in the blood circulation of a mammal of a therapeutically effective amount of this antibody or a fragment of it, by cells of ~~said~~ the mammal genetically modified by ~~said~~ the nucleic acid sequence and not naturally producing antibodies. The invention also concerns the pharmaceutical compositions containing this biological material.

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